

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081318\
 Data File : VN050580.D
 Acq On : 13 Aug 2018 20:04
 Operator : MD\SY
 Sample : PB111961ZHE#13
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB111961ZHE#13

Quant Time: Aug 14 01:03:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080618W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 05:22:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	639696	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1082461	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	920686	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	335164	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	451013	52.77	ug/l	0.00
Spiked Amount			Recovery	=	105.54%	
35) Dibromofluoromethane	7.59	113	413520	47.61	ug/l	0.00
Spiked Amount			Recovery	=	95.22%	
50) Toluene-d8	10.09	98	1466065	44.89	ug/l	0.00
Spiked Amount			Recovery	=	89.78%	
62) 4-Bromofluorobenzene	12.40	95	405270	36.41	ug/l	0.00
Spiked Amount			Recovery	=	72.82%	

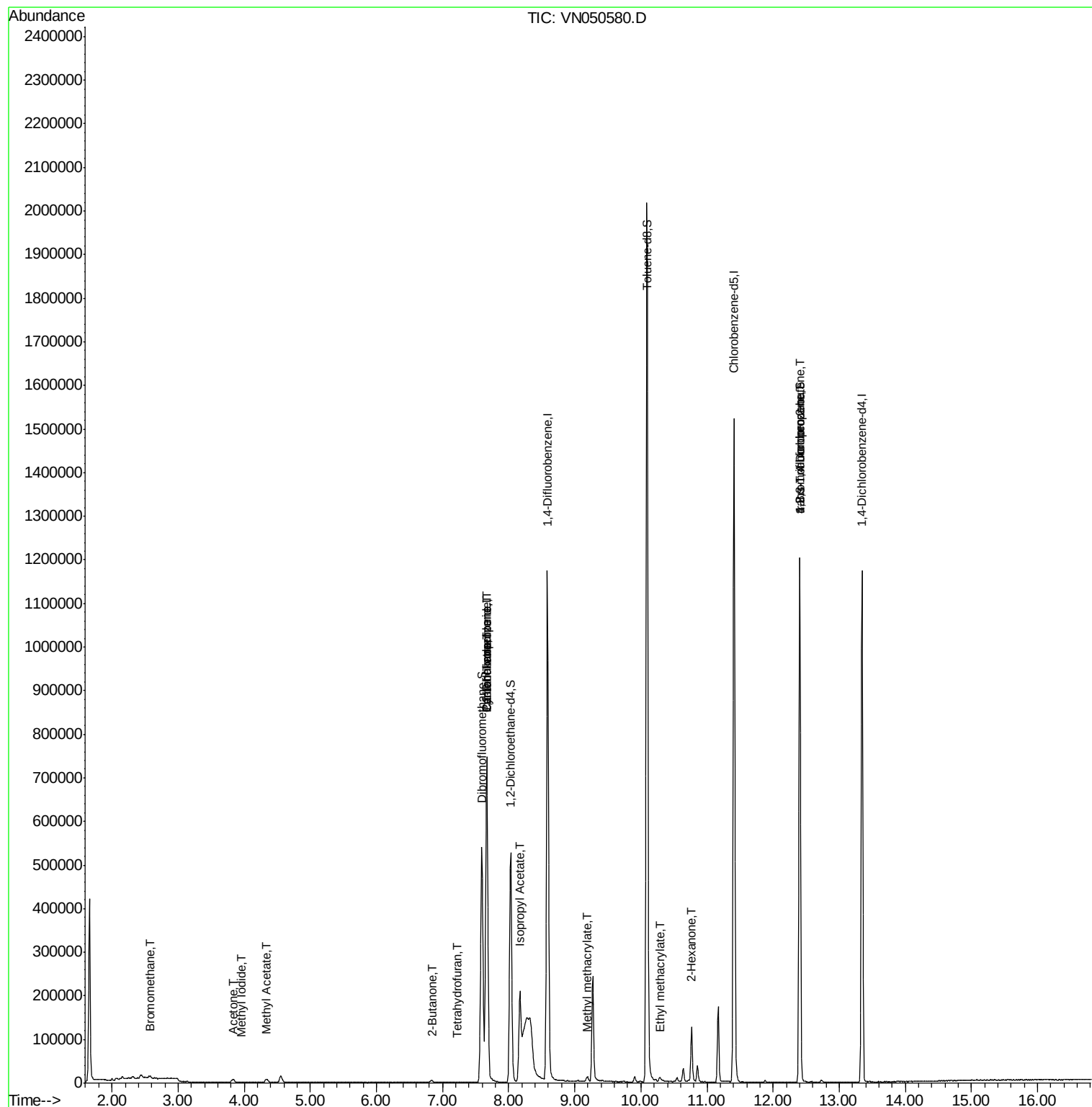
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	2428	Below Cal		90
5) Bromomethane	2.57	94	3385	0.93 ug/l		94
10) Methyl Iodide	3.96	142	649	0.20 ug/l #		61
16) Acetone	3.82	43	13415	4.91 ug/l		92
18) Methyl Acetate	4.34	43	16552	2.31 ug/l		97
20) Methylene Chloride	4.55	84	10979	Below Cal		96
25) 2-Butanone	6.85	43	2557	0.60 ug/l #		66
29) Tetrahydrofuran	7.22	42	1033	0.46 ug/l #		49
31) Cyclohexane	7.66	56	12131	0.37 ug/l #		1
36) 1,1-Dichloropropene	7.67	75	44804	3.77 ug/l #		47
38) Carbon Tetrachloride	7.67	117	57600	4.64 ug/l #		16
43) Isopropyl Acetate	8.17	43	275730	18.65 ug/l		93
48) Methyl methacrylate	9.18	41	7425	1.00 ug/l #		21
56) Ethyl methacrylate	10.28	69	92	1.72 ug/l #		1
59) 2-Hexanone	10.77	43	17399	2.34 ug/l #		60
76) 1,2,3-Trichloropropane	12.40	75	194766	32.10 ug/l #		100
81) trans-1,4-Dichloro-2-buten	12.40	75	194766	112.80 ug/l #		13

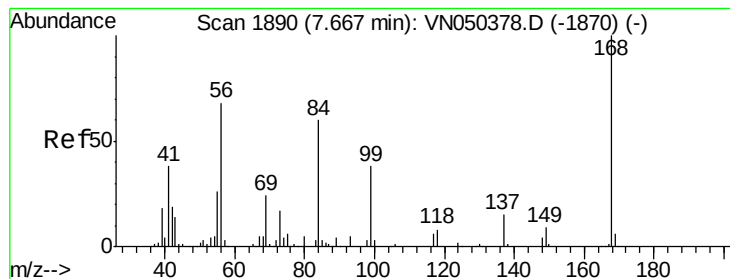
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050580.D

Acq: 13 Aug 2018 20:04

Instrument :

MSVOA_N

ClientSampleId :

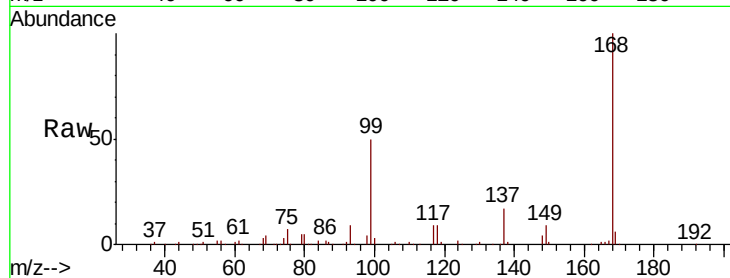
PB111961ZHE#13

Tot Ion:168 Resp: 639696

Ion Ratio Lower Upper

168 100

99 50.3 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

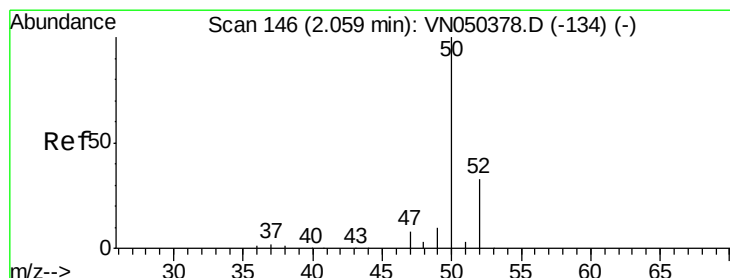
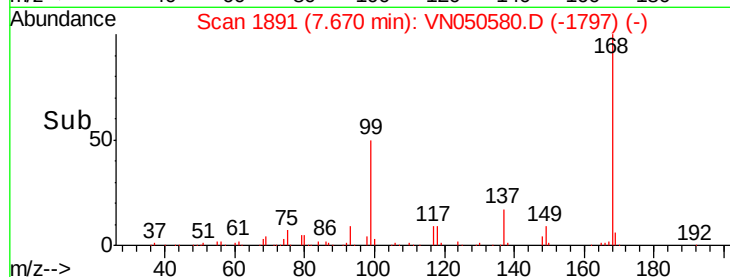
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN050580.D

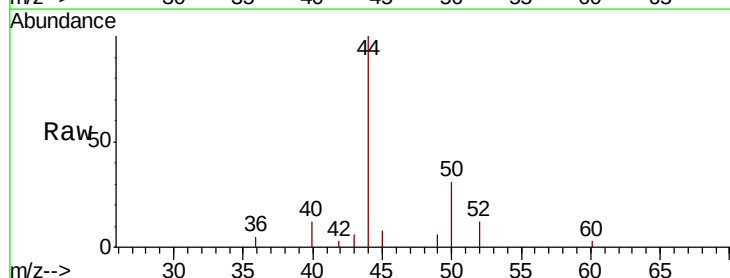
Acq: 13 Aug 2018 20:04

Tgt Ion: 50 Resp: 2428

Ion Ratio Lower Upper

50 100

52 37.9 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2000

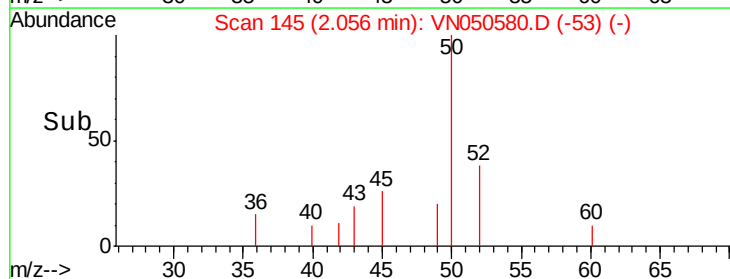
1500

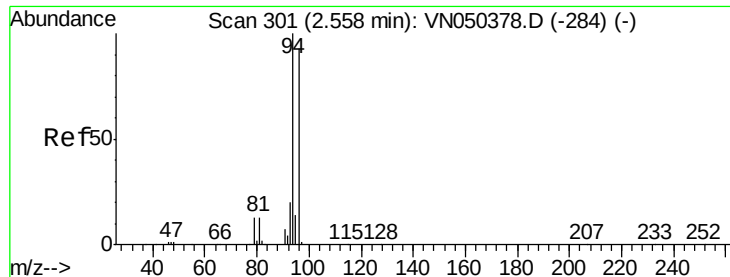
1000

500

0

Time-->





#5

Bromomethane

Concen: 0.93 ug/l

RT: 2.57 min Scan# 305

Delta R.T. 0.01 min

Lab File: VN050580.D

Acq: 13 Aug 2018 20:04

Instrument :

MSVOA_N

ClientSampleId :

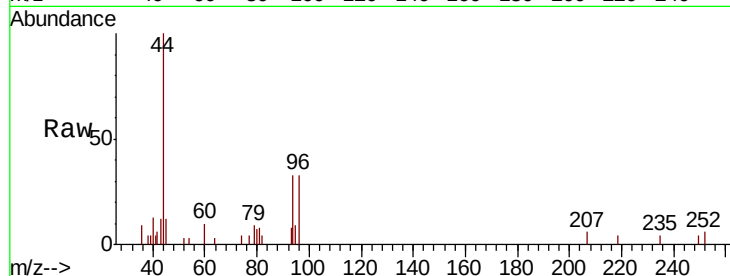
PB111961ZHE#13

Tot Ion: 94 Resp: 3385

Ion Ratio Lower Upper

94 100

96 99.4 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VN050580.D (-207) (-)

Ion 95.90 (95.60 to 96.60): VN050580.D (-207) (-)

2.57

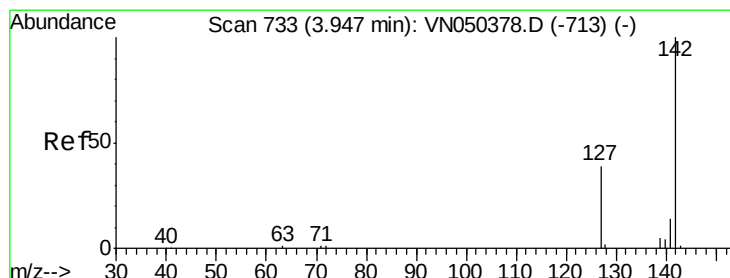
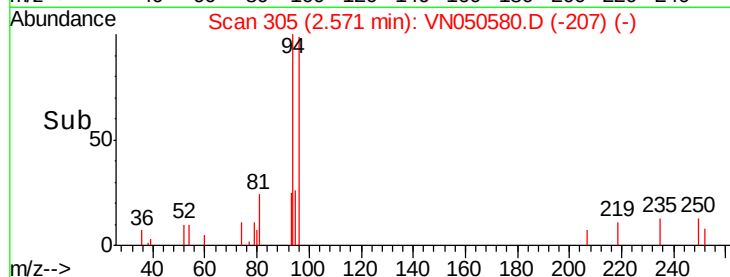
1500

1000

500

0

Time-->



#10

Methyl Iodide

Concen: 0.20 ug/l

RT: 3.96 min Scan# 736

Delta R.T. 0.01 min

Lab File: VN050580.D

Acq: 13 Aug 2018 20:04

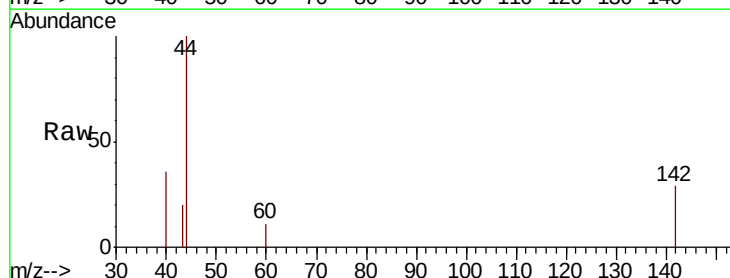
Tgt Ion: 142 Resp: 649

Ion Ratio Lower Upper

142 100

127 16.5 33.4 50.2#

141 0.0 11.6 17.4#



Abundance Ion 141.80 (141.50 to 142.50): VN050580.D (-639) (-)

Ion 126.80 (126.50 to 127.50): VN050580.D (-639) (-)

Ion 140.80 (140.50 to 141.50): VN050580.D (-639) (-)

500

400

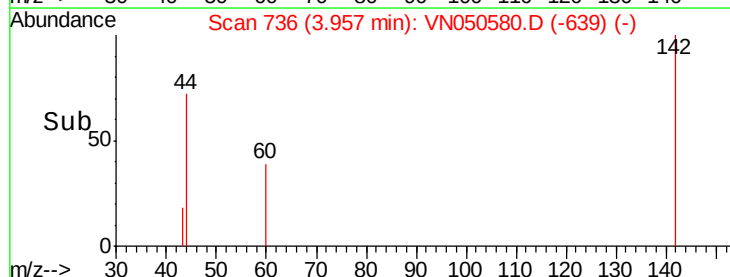
300

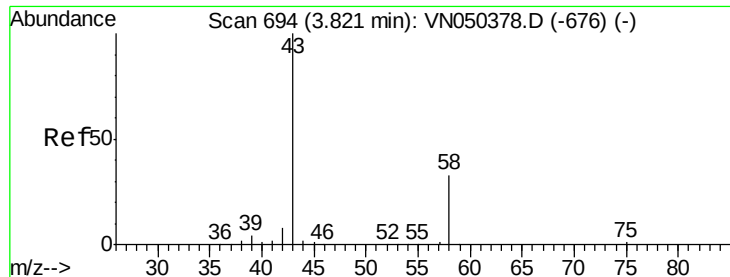
200

100

0

Time-->





#16

Acetone

Concen: 4.91 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN050580.D

Acq: 13 Aug 2018 20:04

Instrument :

MSVOA_N

ClientSampleId :

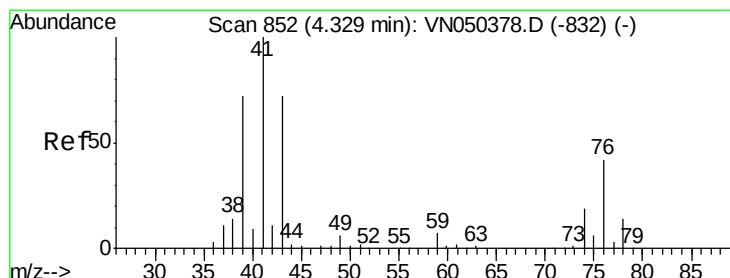
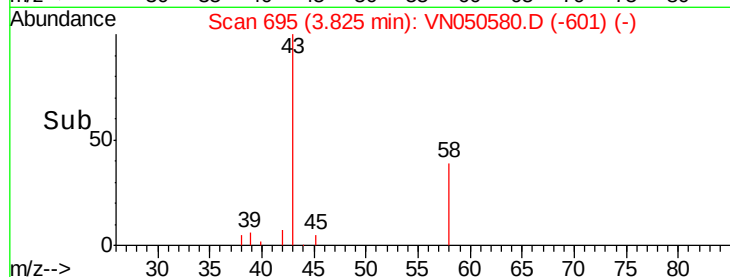
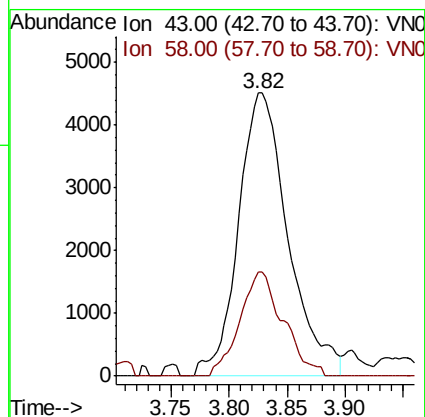
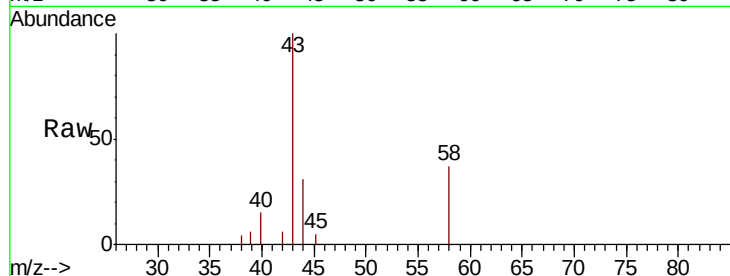
PB111961ZHE#13

Tot Ion: 43 Resp: 13415

Ion Ratio Lower Upper

43 100

58 36.7 25.8 38.8



#18

Methyl Acetate

Concen: 2.31 ug/l

RT: 4.34 min Scan# 854

Delta R.T. 0.01 min

Lab File: VN050580.D

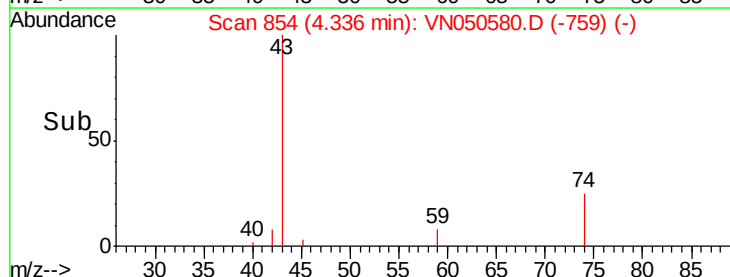
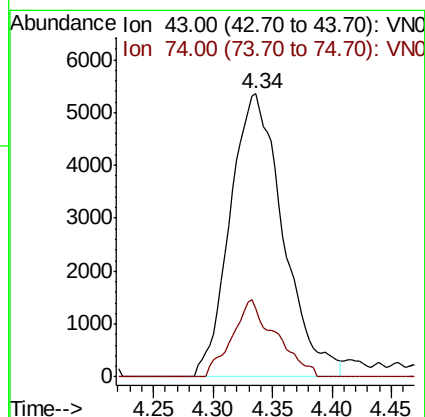
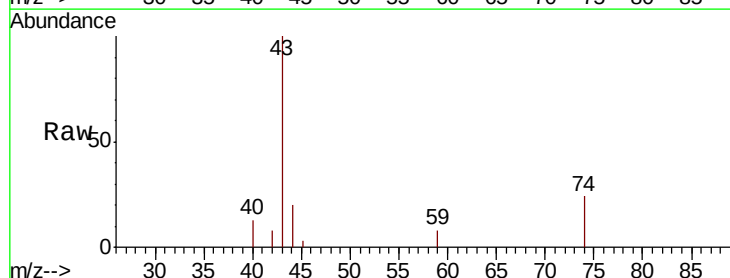
Acq: 13 Aug 2018 20:04

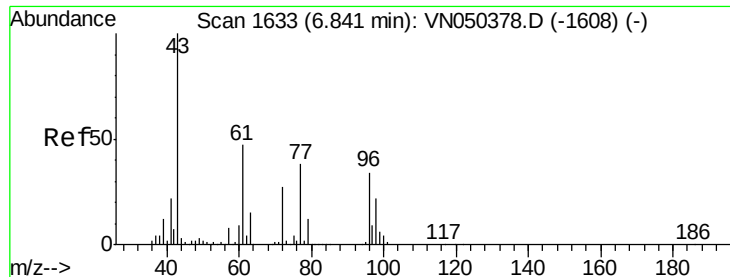
Tgt Ion: 43 Resp: 16552

Ion Ratio Lower Upper

43 100

74 22.4 19.2 28.8

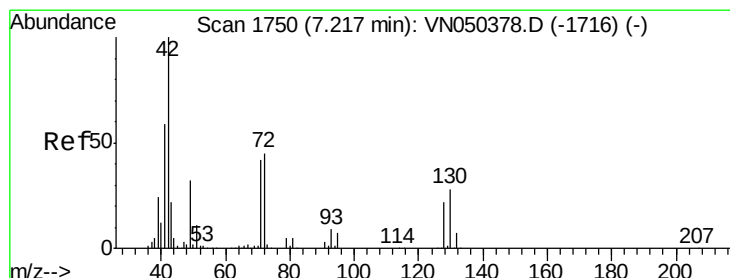
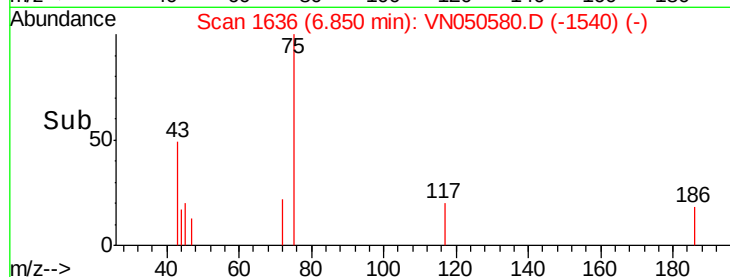
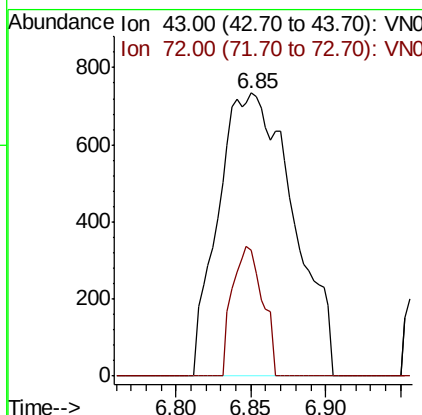
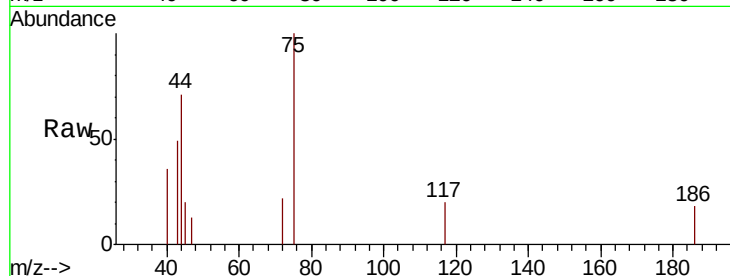




#25
2-Butanone
Concen: 0.60 ug/l
RT: 6.85 min Scan# 1636
Delta R.T. 0.01 min
Lab File: VN050580.D
Acq: 13 Aug 2018 20:04

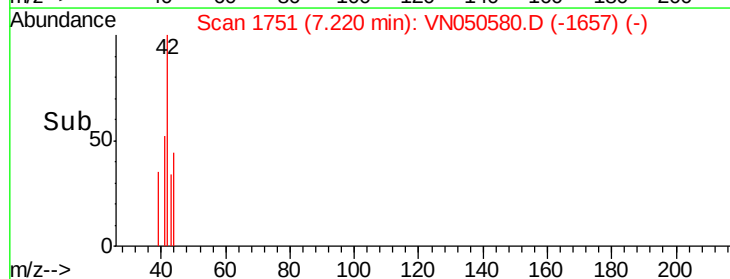
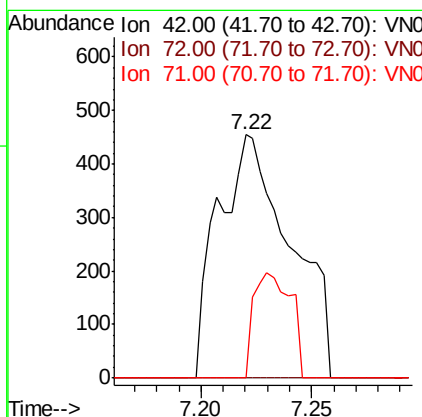
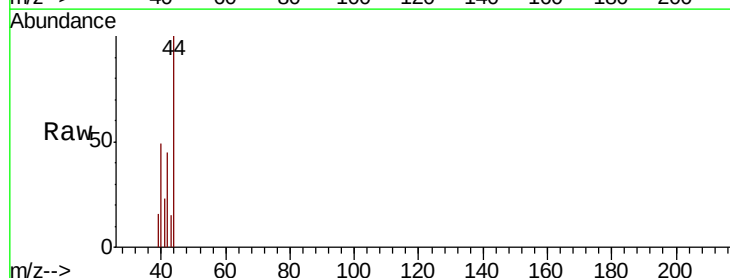
Instrument :
MSVOA_N
ClientSampleId :
PB111961ZHE#13

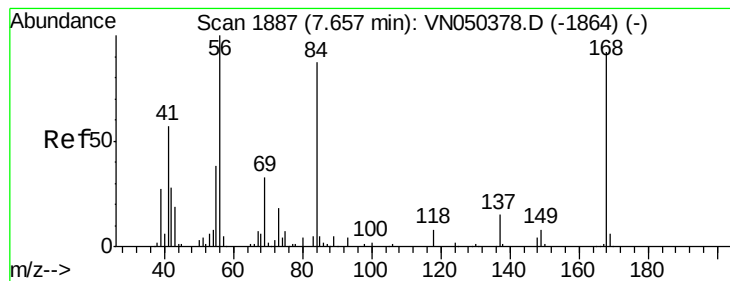
Tot Ion: 43 Resp: 2557
Ion Ratio Lower Upper
43 100
72 44.4 21.5 32.3#



#29
Tetrahydrofuran
Concen: 0.46 ug/l
RT: 7.22 min Scan# 1751
Delta R.T. 0.00 min
Lab File: VN050580.D
Acq: 13 Aug 2018 20:04

Tgt Ion: 42 Resp: 1033
Ion Ratio Lower Upper
42 100
72 0.0 35.9 53.9#
71 22.0 33.7 50.5#





#31

Cyclohexane

Concen: 0.37 ug/l

RT: 7.66 min Scan# 1889

Delta R.T. 0.01 min

Lab File: VN050580.D

Acq: 13 Aug 2018 20:04

Instrument :

MSVOA_N

ClientSampleId :

PB111961ZHE#13

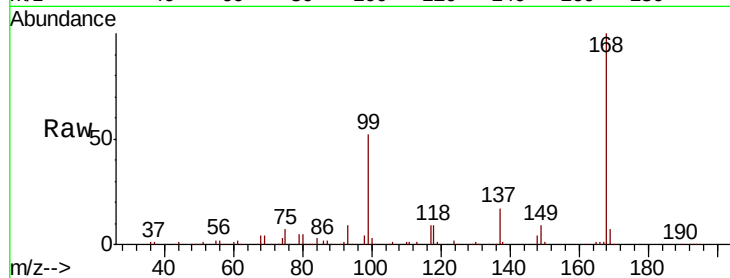
Tot Ion: 56 Resp: 12131

Ion Ratio Lower Upper

56 100

69 193.0 26.2 39.4#

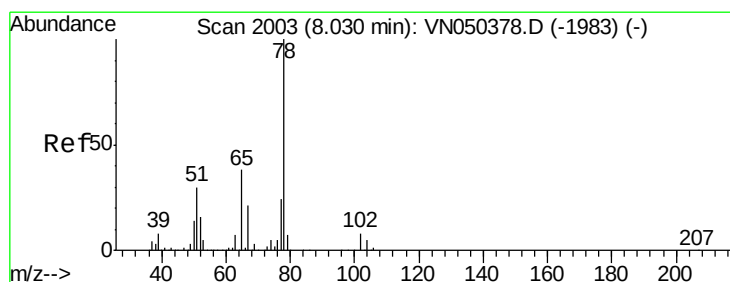
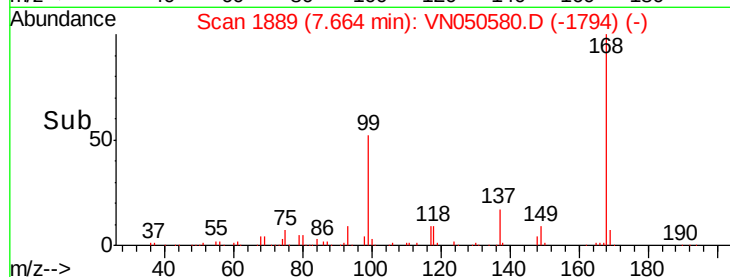
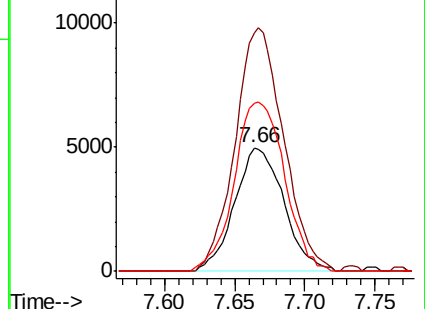
84 136.4 67.4 101.0#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 52.77 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050580.D

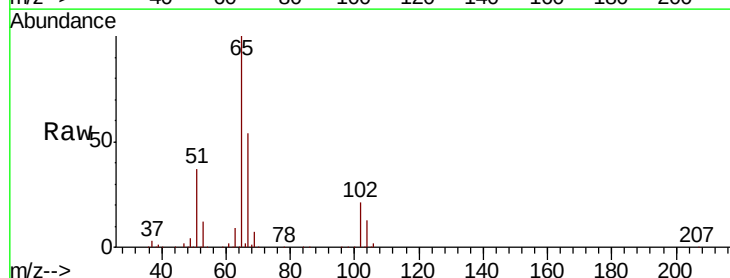
Acq: 13 Aug 2018 20:04

Tgt Ion: 65 Resp: 451013

Ion Ratio Lower Upper

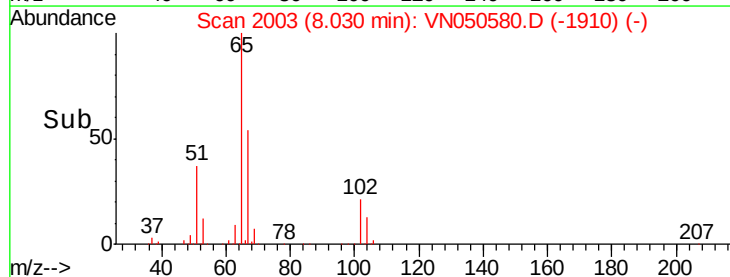
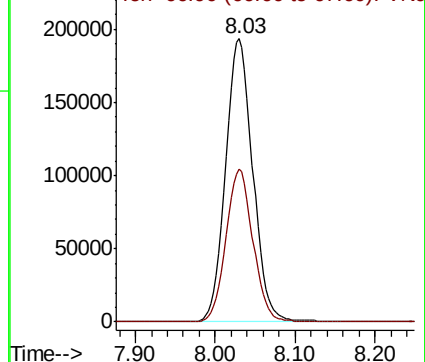
65 100

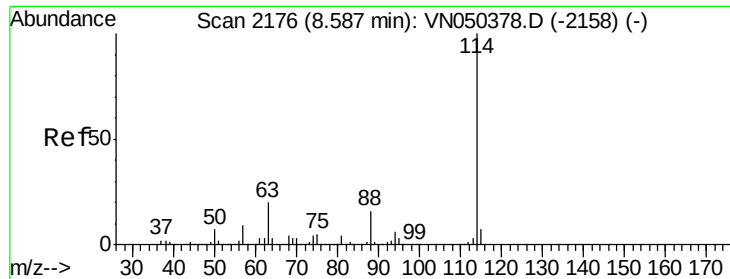
67 53.5 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

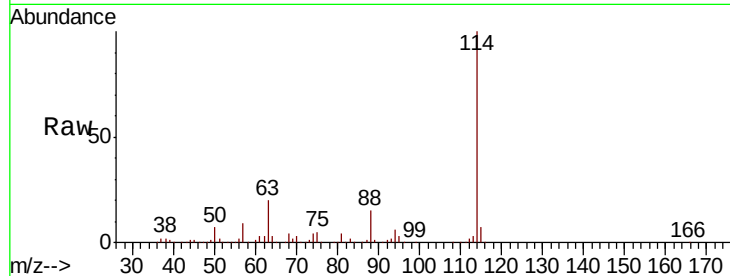




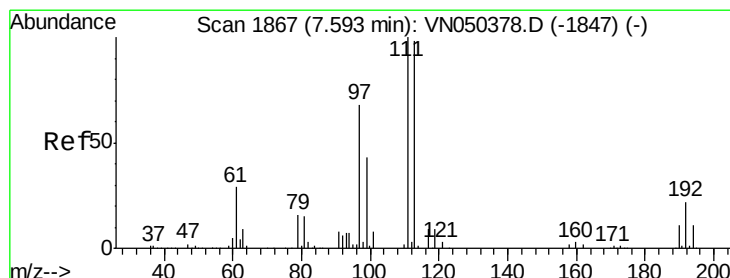
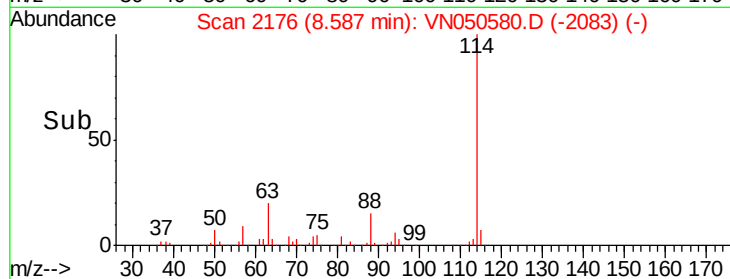
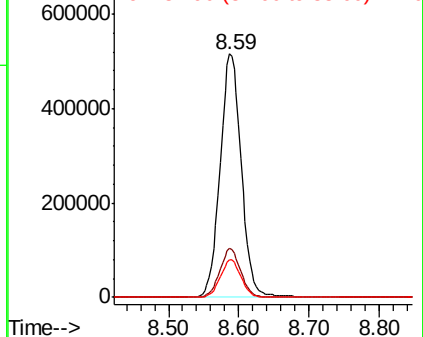
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN050580.D
 Acq: 13 Aug 2018 20:04

Instrument :
 MSVOA_N
 ClientSampleId :
 PB111961ZHE#13

Tot Ion:114 Resp: 1082461
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 40.0
 88 15.3 0.0 31.2

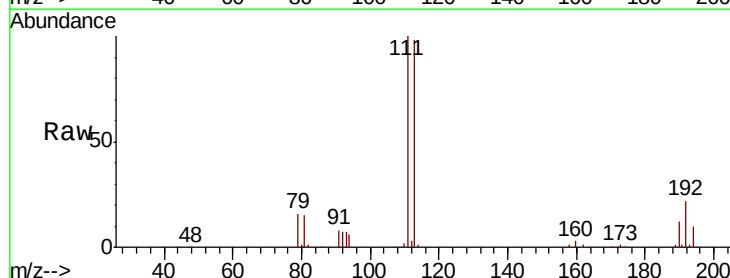


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

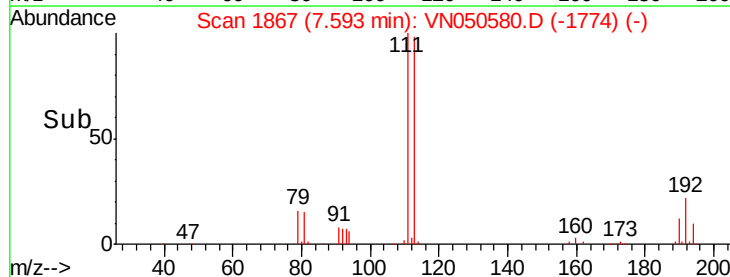
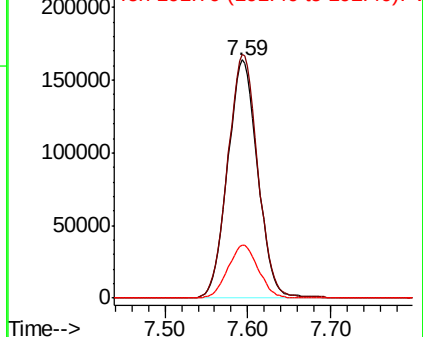


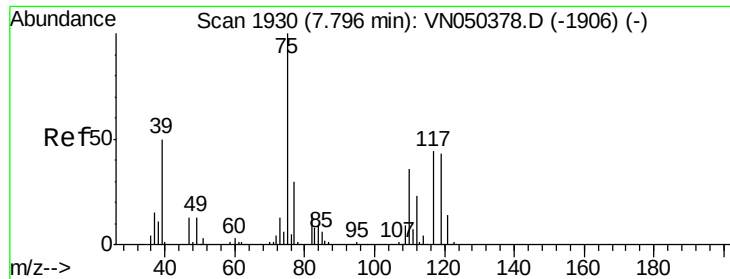
#35
 Dibromofluoromethane
 Concen: 47.61 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050580.D
 Acq: 13 Aug 2018 20:04

Tgt Ion:113 Resp: 413520
 Ion Ratio Lower Upper
 113 100
 111 101.9 80.7 121.1
 192 22.6 17.8 26.6



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 3.77 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. -0.13 min

Lab File: VN050580.D

Acq: 13 Aug 2018 20:04

Instrument :

MSVOA_N

ClientSampleId :

PB111961ZHE#13

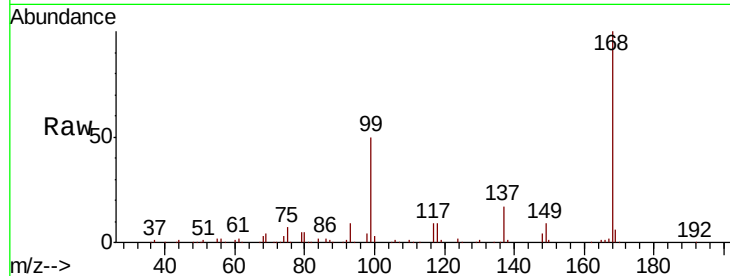
Tot Ion: 75 Resp: 44804

Ion Ratio Lower Upper

75 100

110 7.7 18.4 55.2#

77 0.0 25.3 37.9#

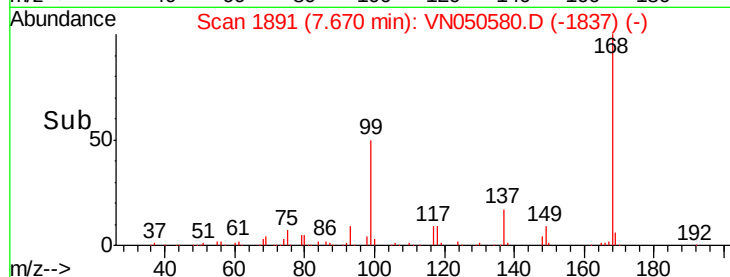


Abundance Ion 74.90 (74.60 to 75.60): VN050378.D (-1906) (-)

Ion 109.90 (109.60 to 110.60): VN050378.D (-1906) (-)

Ion 76.90 (76.60 to 77.60): VN050378.D (-1906) (-)

Time-->

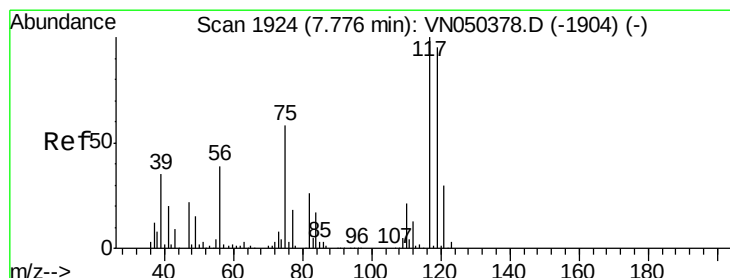


Abundance Ion 74.90 (74.60 to 75.60): VN050580.D (-1837) (-)

Ion 109.90 (109.60 to 110.60): VN050580.D (-1837) (-)

Ion 76.90 (76.60 to 77.60): VN050580.D (-1837) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 4.64 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.11 min

Lab File: VN050580.D

Acq: 13 Aug 2018 20:04

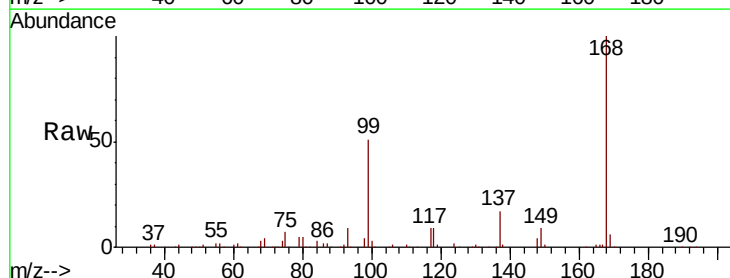
Tgt Ion: 117 Resp: 57600

Ion Ratio Lower Upper

117 100

119 5.6 77.4 116.0#

121 0.0 23.9 35.9#

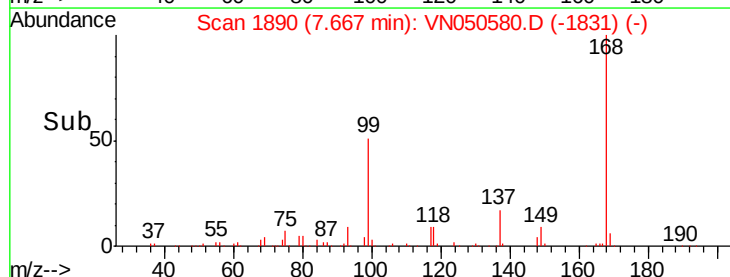


Abundance Ion 116.80 (116.50 to 117.50): VN050378.D (-1904) (-)

Ion 118.80 (118.50 to 119.50): VN050378.D (-1904) (-)

Ion 120.80 (120.50 to 121.50): VN050378.D (-1904) (-)

Time-->

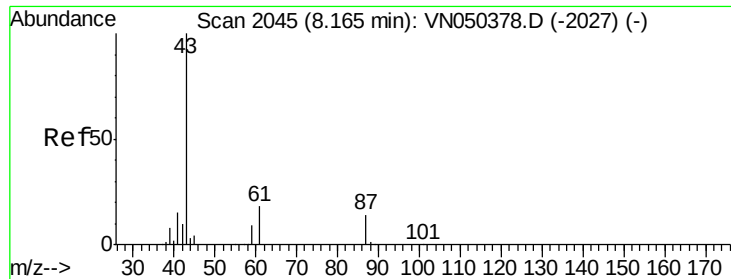


Abundance Ion 116.80 (116.50 to 117.50): VN050580.D (-1831) (-)

Ion 118.80 (118.50 to 119.50): VN050580.D (-1831) (-)

Ion 120.80 (120.50 to 121.50): VN050580.D (-1831) (-)

Time-->



#43

Isopropyl Acetate

Concen: 18.65 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050580.D

Acq: 13 Aug 2018 20:04

Instrument :

MSVOA_N

ClientSampleId :

PB111961ZHE#13

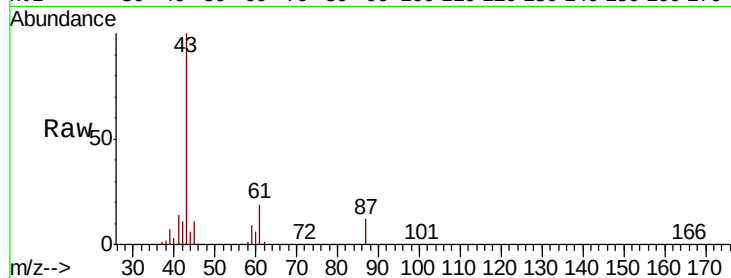
Tot Ion: 43 Resp: 275730

Ion Ratio Lower Upper

43 100

61 15.9 15.8 23.6

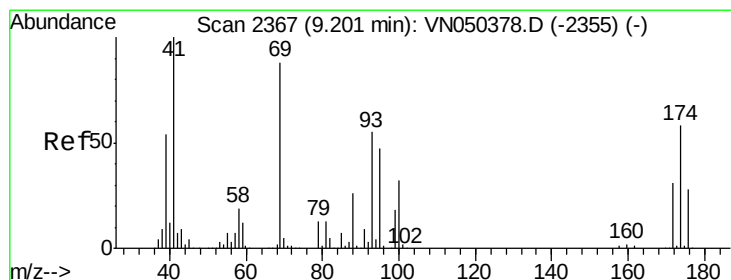
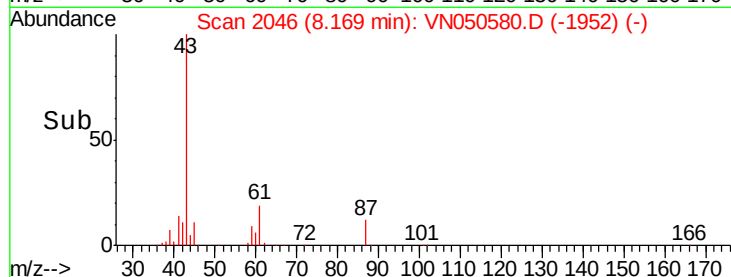
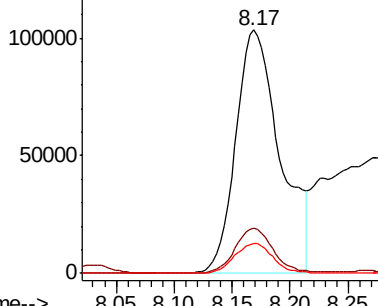
87 10.6 10.3 15.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#48

Methyl methacrylate

Concen: 1.00 ug/l

RT: 9.18 min Scan# 2360

Delta R.T. -0.02 min

Lab File: VN050580.D

Acq: 13 Aug 2018 20:04

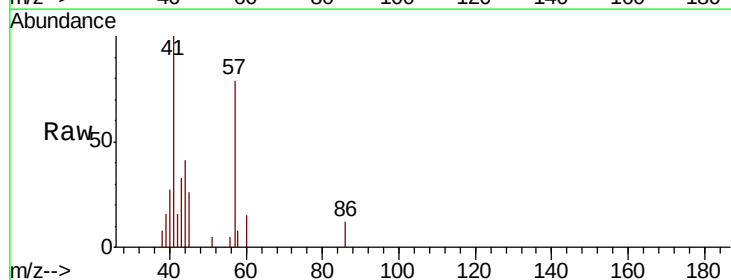
Tgt Ion: 41 Resp: 7425

Ion Ratio Lower Upper

41 100

69 0.0 70.6 105.8#

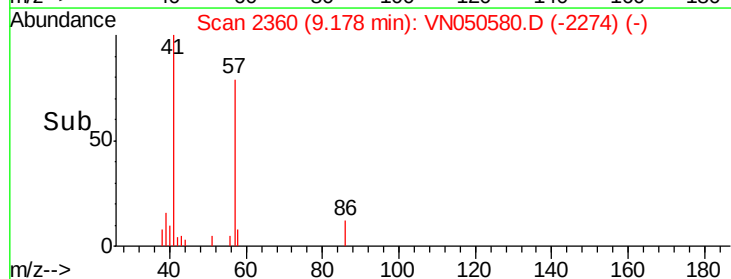
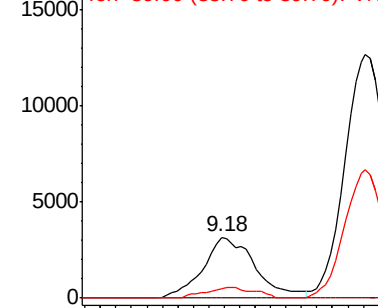
39 16.9 43.9 65.9#

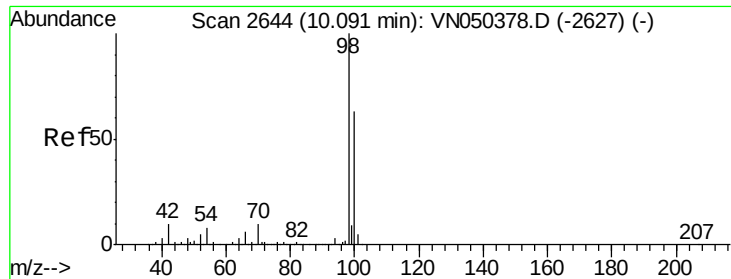


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

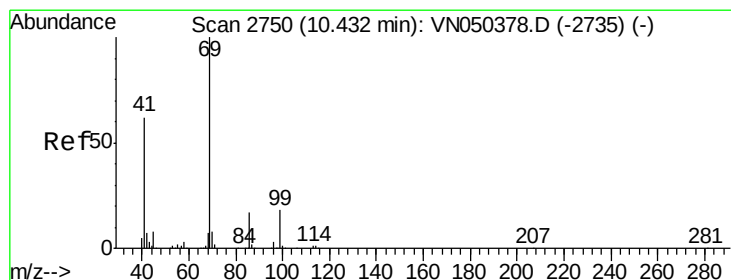
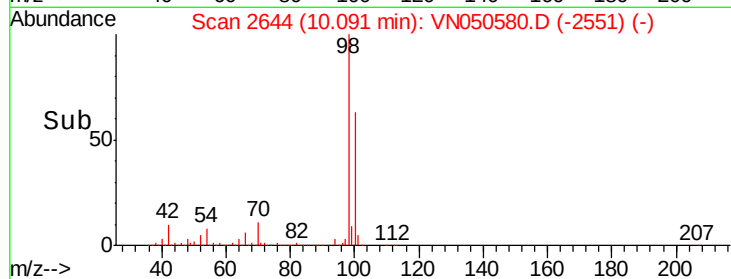
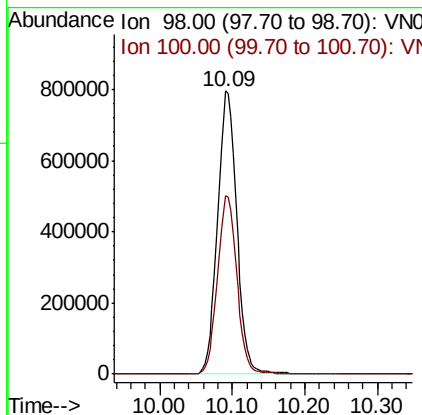
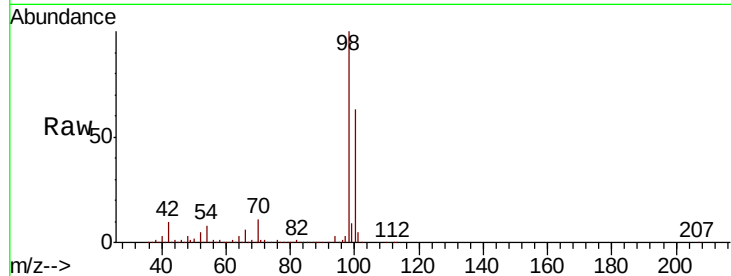




#50
Toluene-d8
Concen: 44.89 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN050580.D
Acq: 13 Aug 2018 20:04

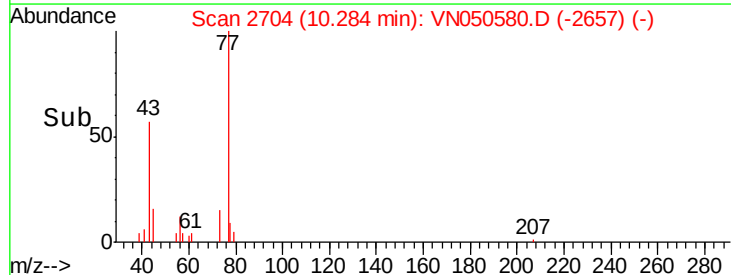
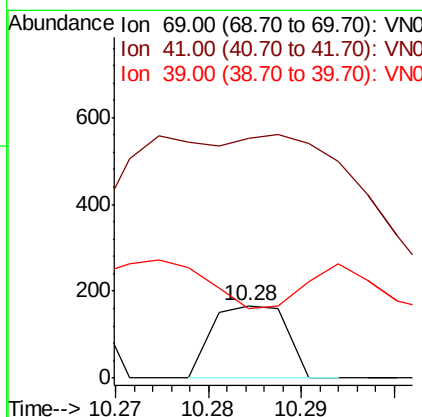
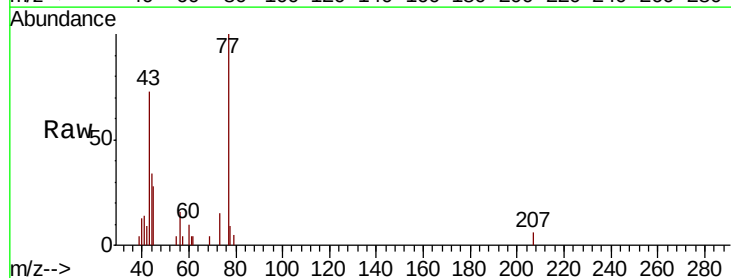
Instrument :
MSVOA_N
ClientSampleId :
PB111961ZHE#13

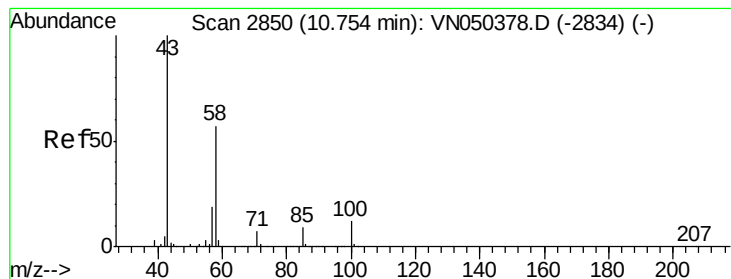
Tot Ion: 98 Resp: 1466065
Ion Ratio Lower Upper
98 100
100 63.4 50.7 76.1



#56
Ethyl methacrylate
Concen: 1.72 ug/l
RT: 10.28 min Scan# 2704
Delta R.T. -0.15 min
Lab File: VN050580.D
Acq: 13 Aug 2018 20:04

Tgt Ion: 69 Resp: 92
Ion Ratio Lower Upper
69 100
41 372.8 51.0 76.4#
39 417.4 26.6 40.0#





#59

2-Hexanone

Concen: 2.34 ug/l

RT: 10.77 min Scan# 2854

Delta R.T. 0.01 min

Lab File: VN050580.D

Acq: 13 Aug 2018 20:04

Instrument :

MSVOA_N

ClientSampleId :

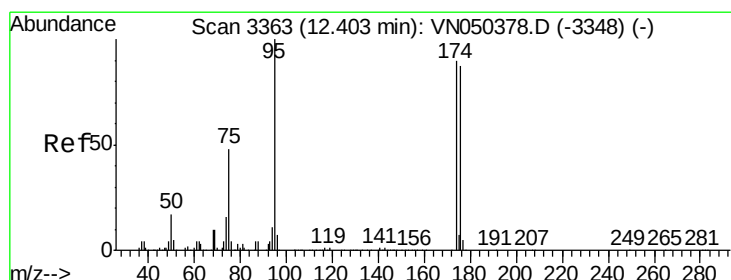
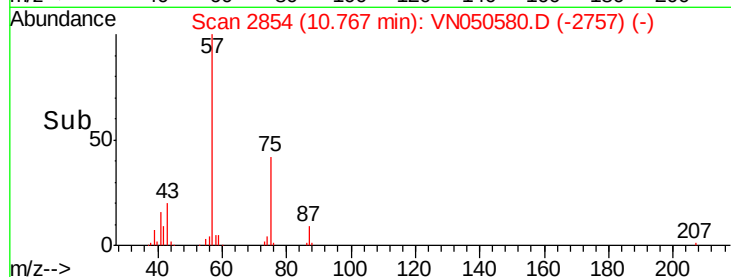
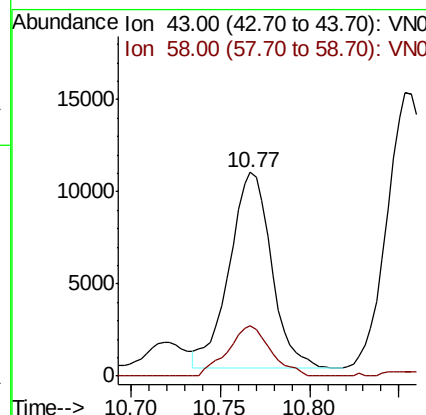
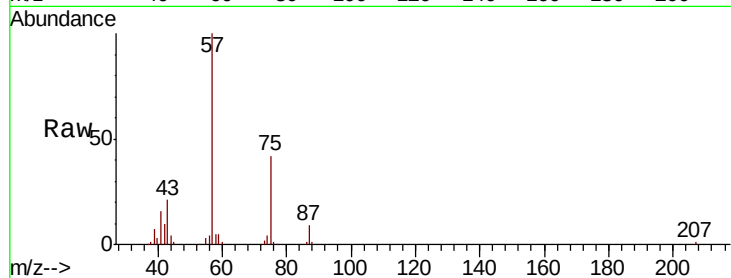
PB111961ZHE#13

Tot Ion: 43 Resp: 17399

Ion Ratio Lower Upper

43 100

58 26.2 27.6 82.7#



#62

4-Bromofluorobenzene

Concen: 36.41 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050580.D

Acq: 13 Aug 2018 20:04

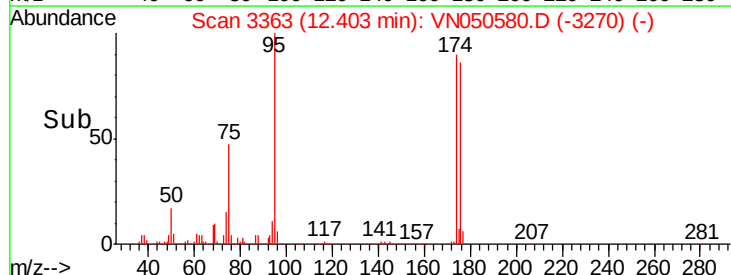
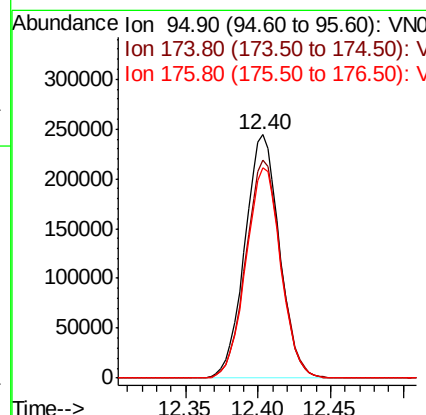
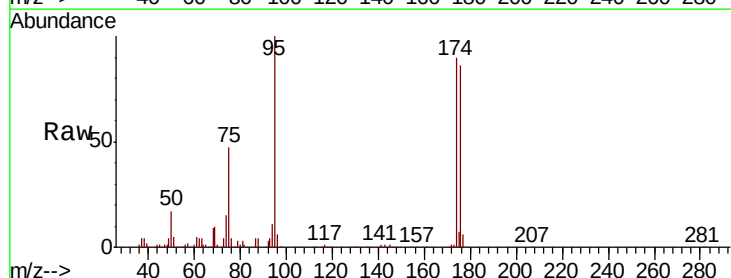
Tgt Ion: 95 Resp: 405270

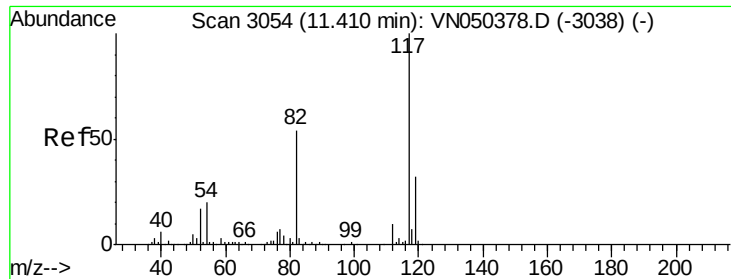
Ion Ratio Lower Upper

95 100

174 90.5 0.0 178.2

176 87.2 0.0 173.4

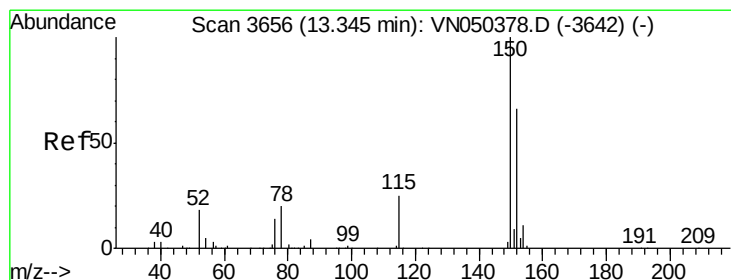
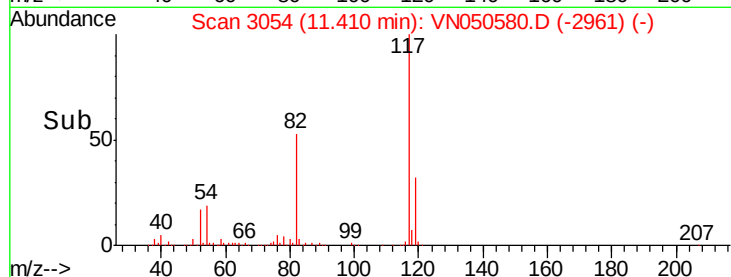
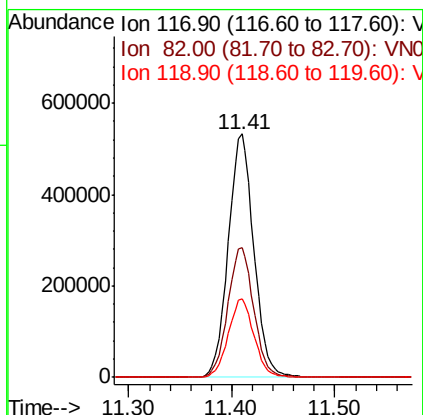
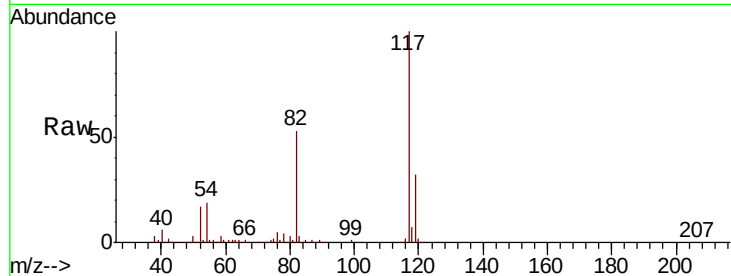




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050580.D
Acq: 13 Aug 2018 20:04

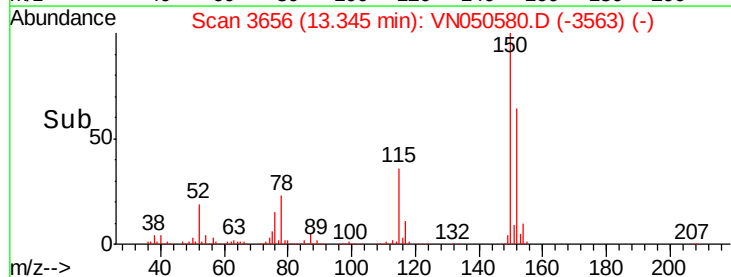
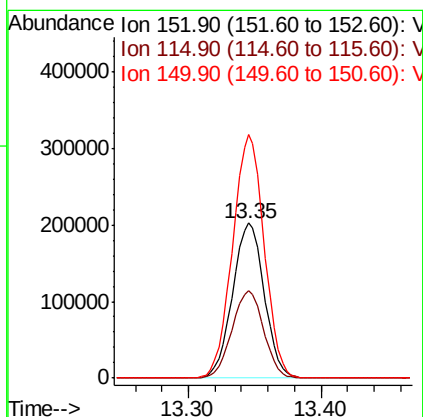
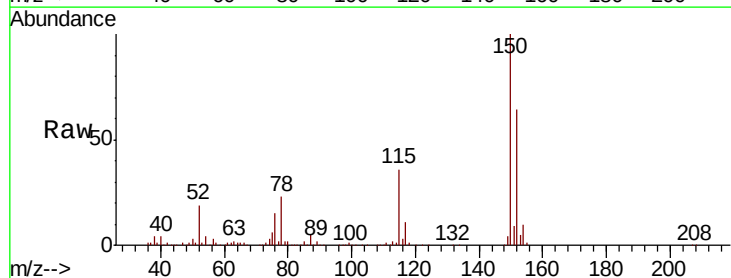
Instrument :
MSVOA_N
ClientSampleId :
PB111961ZHE#13

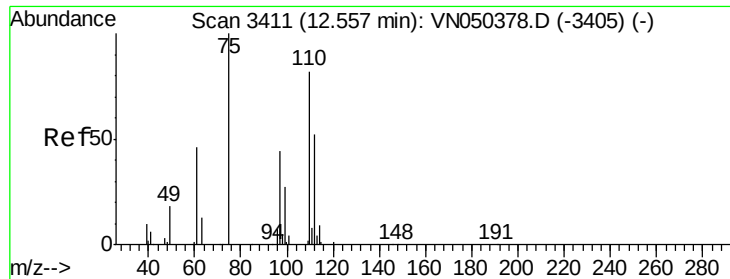
Tot Ion:117 Resp: 920686
Ion Ratio Lower Upper
117 100
82 53.5 43.7 65.5
119 32.3 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN050580.D
Acq: 13 Aug 2018 20:04

Tgt Ion:152 Resp: 335164
Ion Ratio Lower Upper
152 100
115 56.2 27.8 83.3
150 156.6 0.0 348.6

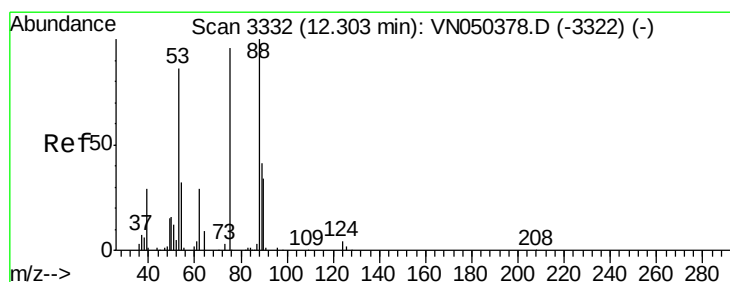
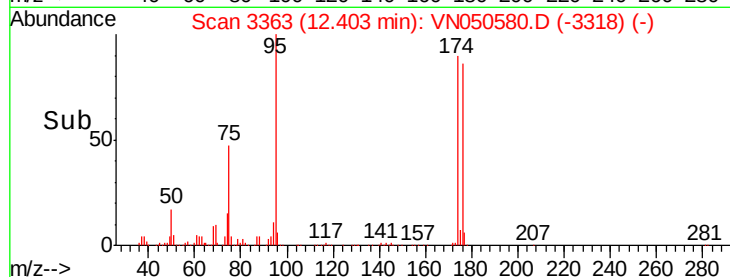
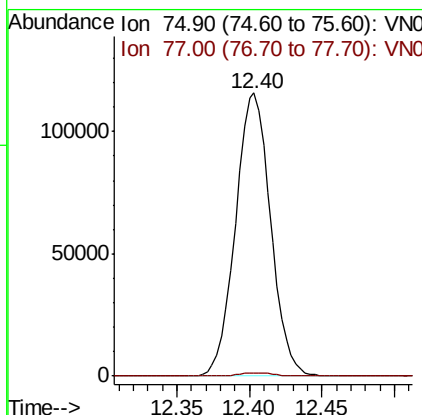
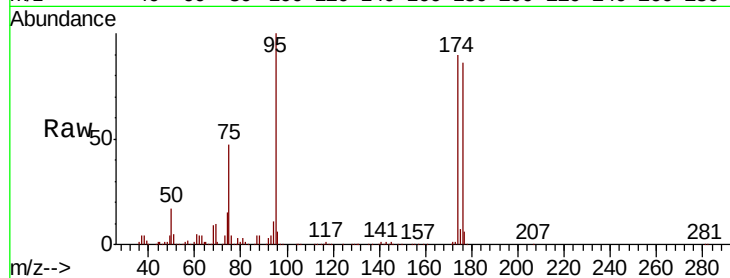




#76
 1,2,3-Trichloropropane
 Concen: 32.10 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. -0.15 min
 Lab File: VN050580.D
 Acq: 13 Aug 2018 20:04

Instrument :
 MSVOA_N
 ClientSampleId :
 PB111961ZHE#13

Tot Ion: 75 Resp: 194766
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 112.80 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.10 min
 Lab File: VN050580.D
 Acq: 13 Aug 2018 20:04

Tgt Ion: 75 Resp: 194766
 Ion Ratio Lower Upper
 75 100
 53 0.3 73.5 110.3#
 89 0.0 36.0 54.0#

